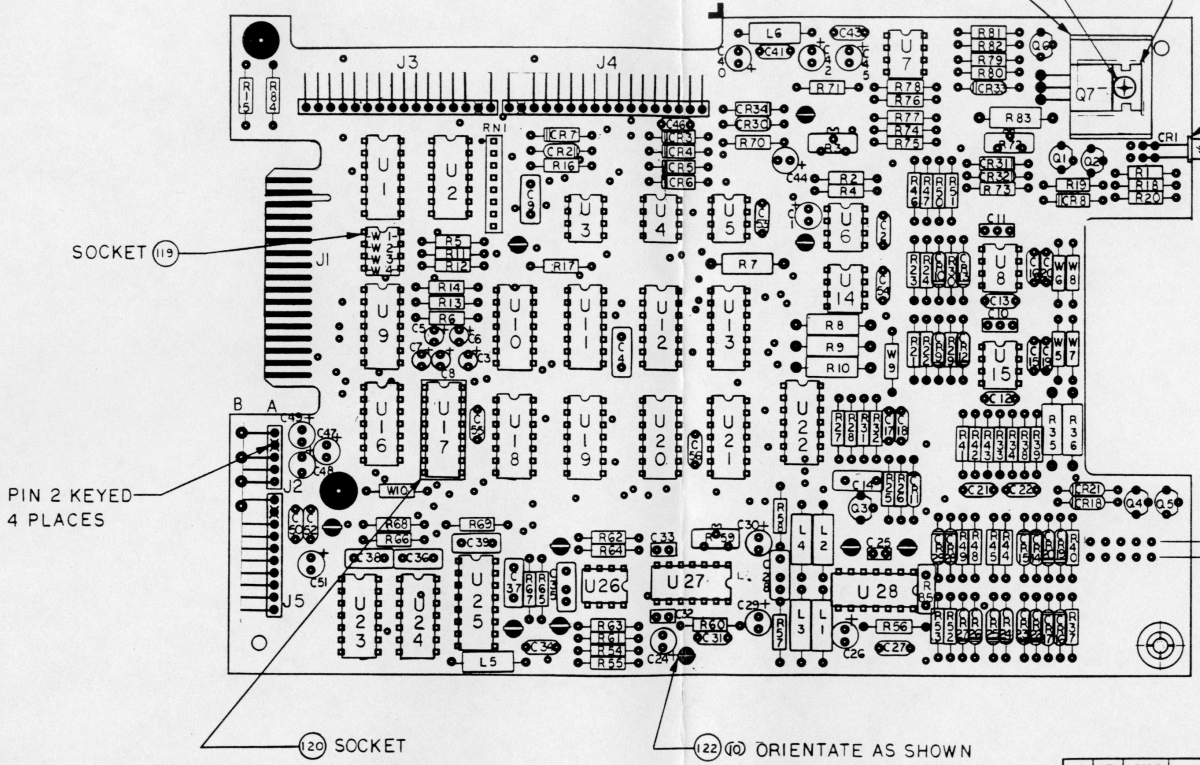
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	PROD RELEASE EN 0118	5/22/78	
	B	EN0122 CHANGE U5,U7	6/9/78	
	C	EN 0198	2/26/79	



QTY REQD	CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	ZONE
			PARTS LIST	

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PCBA, FD SINGLE B

SIZE	CODE IDENT NO.	DWG NO.	REV
D		100163	C

SCALE 2/1 SHEET 1 OF 1

100163

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	D	EN0198	2/15/79	
	E	EN0206	2/26/79	

ZONE	LTR	REVISIONS DESCRIPTION	DATE	APPROVED
	A	PROD RELEASE EN0118	5/24/78	
	B	EN0122 R41,R42 VALUES	6/9/78	
	C	EN0186	11/29/78	
	C1	EN0188	11/29/78	

[6] TABLE II

ASSY 100163 VERSION	VERSION CHARACTERISTIC	U8	Q5	CR10,CR13, CR19,CR20, CR21	J6	J8	W6 W8	W9	R23	R24	R30 R40	R31 R32	R35	R36	R38	R39			R67	R85	C11	C13 C16	
-51-8	100 TPI, GCR DUAL HEAD	NE555 410-0555-4	2N4402 300-4402-8	IN4446 200-4446-7	HEADER 680-0506-5	HEADER 680-0505-7	IN		6.19K,1%	19.6K,1%	12K	3.16K,1%	390Ω,½W	390Ω,½W	1.5K	1K			17.8K, 1%	22K	.047 UF	.01 UF	
-52-6	100 TPI, GCR SINGLE HEAD				PINS (4) 684-0004-3			IN				3.16K,1%	390Ω,½W						17.8K, 1%	22K			-
-53-4	48 TPI, MFM DUAL HEAD	NE555 410-0555-4	2N4402 300-4402-8	IN4446 200-4446-7	HEADER 680-0506-5	HEADER 680-0505-7	IN		6.19K,1%	19.6K 1%	12K	1.82K,1%	120Ω, ½W	120Ω, ½W	1.5K	1K			35.7K,1%	4.7K	.047 UF	.01 UF	
-54-2	48 TPI, MFM SINGLE HEAD				PINS (4) 684-0004-3			IN				1.82K,1%	120Ω, ½W						35.7K,1%	4.7K			
-55-9	100 TPI, MFM DUAL HEAD	NE555 410-0555-4	2N4402 300-4402-8	IN4446 200-4446-7	HEADER 680-0506-5	HEADER 680-0505-7	IN		6.19K,1%	19.6K,1%	12K	3.16K,1%	390Ω, ½W	390Ω, ½W	1.5K	1K			35.7K,1%	22K	.047 UF	.01 UF	
-56-7	100 TPI, MFM SINGLE HEAD				PINS (4) 684-0004-3			IN				3.16K,1%	390Ω, ½W						35.7K,1%	22K			

[5] TABLE I

PART NO.	REF. DESIGNTION
100-0000-8	R42,52,53 W5,7,10
100-1000-7	R15,51
100-1500-6	R1,6,71,57,58
100-1800-0	R19
100-2200-2	R13,14,54,55,60
100-3300-9	R20,50,66,68
100-4700-3	R65,80,81,63,64
100-5600-0	R41
100-6800-5	R47
100-1001-5	R18,25,34,79,82,84
100-0470-3	R56
100-1501-4	R26,33,74,75
100-1801-8	R46
100-2201-0	R43,61,62
100-6801-3	R4
100-1002-3	R2
100-1202-9	R29,37,44,45,69
100-2202-8	R27,28,
100-2702-7	R48,49,76,78
100-4702-5	R11,12,17
100-1003-1	R16,70
101-0010-5	R83
101-0680-5	R7,8,9,10
105-1741-5	R5
105-6191-8	R21
105-1002-2	R73
105-1962-7	R22
130-2002-9	R3
130-2001-1	R59
130-1002-0	R72

[5] TABLE I (CONT.)

PART NO.	REF. DESIGNATION
116-0002-0	RN1
115-0001-4	U17
160-3300-3	C35
160-1000-1	C4,14,39
160-1500-0	C37
160-4700-3	C9
160-7500-4	C38,36
161-1501-6	C28
161-4701-9	C25
161-2202-0	C32,33
162-4702-5	C10
163-2203-4	C1
163-4703-1	C29,30
163-3304-9	C24,26,40,42,47,48, 49,51
163-3305-6	C3,44
163-1006-2	C5,6,7,8
165-1002-6	C2,12,15,19,20,21,22,27, 31,34,41,43,46,50,52, 53,54,55,56
190-0240-9	L3,L4
190-1000-8	L1,2,5
191-0100-5	L6
200-4446-7	CR9,11,12,14,15,16,17,18, 22,23,24,25,26,27,28, 29,30,32,33
210-5223-8	CR8
210-5237-8	CR2,31
220-4002-6	CR3,4,5,6,7,34
300-4400-2	Q1,6
300-4402-8	Q2,3,4

[5] TABLE I (CONT.)

PART NO.	REF. DESIGNATION
340-0110-7	Q7
400-0000-2	U12,18
400-0002-8	U11
400-0014-3	U10,16
400-0027-5	U20
400-0051-5	U19
400-0074-7	U13, 21, 23
400-0086-1	U24
400-0123-2	U25
401-0016-6	U2,9
401-0017-4	U22
401-0038-0	U1
406-0451-4	U4,14
406-0452-2	U3,5
410-0311-2	U26
410-0555-4	U6,15
410-0592-7	U27,28
410-0741-0	U7
622-0001-9	CR1
680-0503-2	J2A
680-1001-6	J5
680-1601-3	J3
680-1701-1	J4
680-0802-8	W1,2,3,4
680-1603-9	U17
684-0001-9	W1,2,3,4
684-0003-5	TP1 THRU 10
650-0001-0	

[7] TABLE III

LAST USED	NOT USED	DELETED
U28		
CR34		
Q7		
R84		
RN1		
C56	C17,18,19,20,23	
L6		
J8		J7
W10		
TP10		

[7] FOR LAST USED, NOT USED, AND DELETED REF DESIGNATION SEE TABLE III.

[6] FOR COMPONENTS AFFECTED BY VERSION SEE TABLE II.

[5] FOR PART NO. OF COMPONENTS NOT AFFECTED BY VERSION SEE TABLE I.

4. FOR PCBA SEE DRAWING NO. 100163.

3. ALL DIODES ARE IN4446

2. ALL CAPACITOR VALUES ARE IN MICROFARADS.

1. ALL RESISTOR VALUES ARE IN OHMS.

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QTY REQD	CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		ZONE
			PARTS LIST		

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ON: FRACTIONS ± DECIMALS X ± XX ± XXX ± ANGLES ± ± ± ±

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SIZE	CODE IDENT NO.	DWG NO.	REV.
D		100164	F

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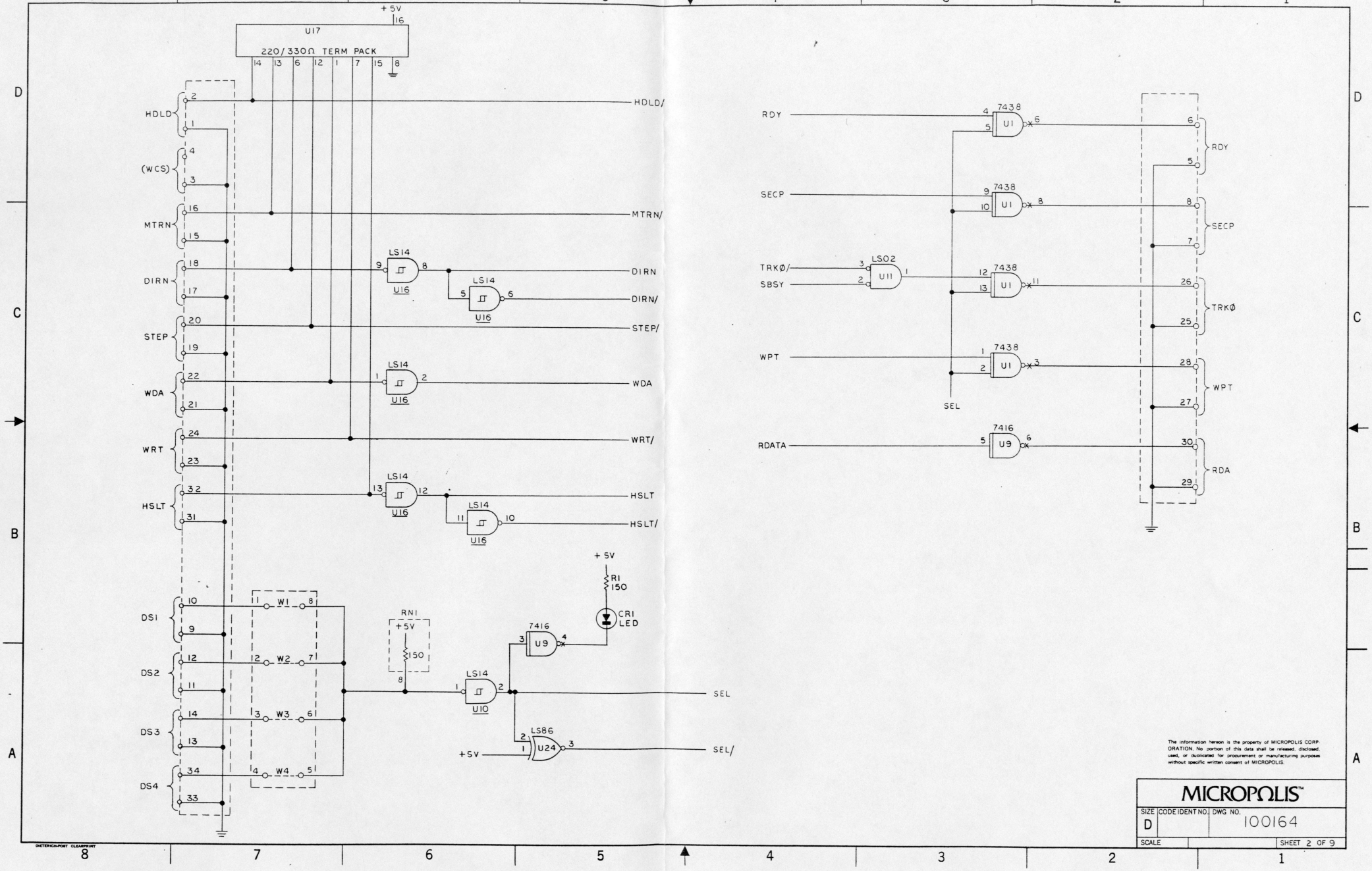
+5V
U17
220/330Ω TERM PACK
HDLD
(WCS)
MTRN
DIRN
STEP
WDA
WRT
HSLT
HDLD/
MTRN/
DIRN
DIRN/
STEP/
WDA
WRT/
HSLT
HSLT/
LS14
U16
DS1
DS2
DS3
DS4
W1
W2
W3
W4
RN1
150
R1
CR1
LED
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U9
LS14
U10
SEL
SEL/
LS86
U24
RDY
SECP
TRKØ/
SBSY
WPT
RDATA
7438
U1
LS02
U11
7416
U9
RDY
SECP
TRKØ
WPT
RDA
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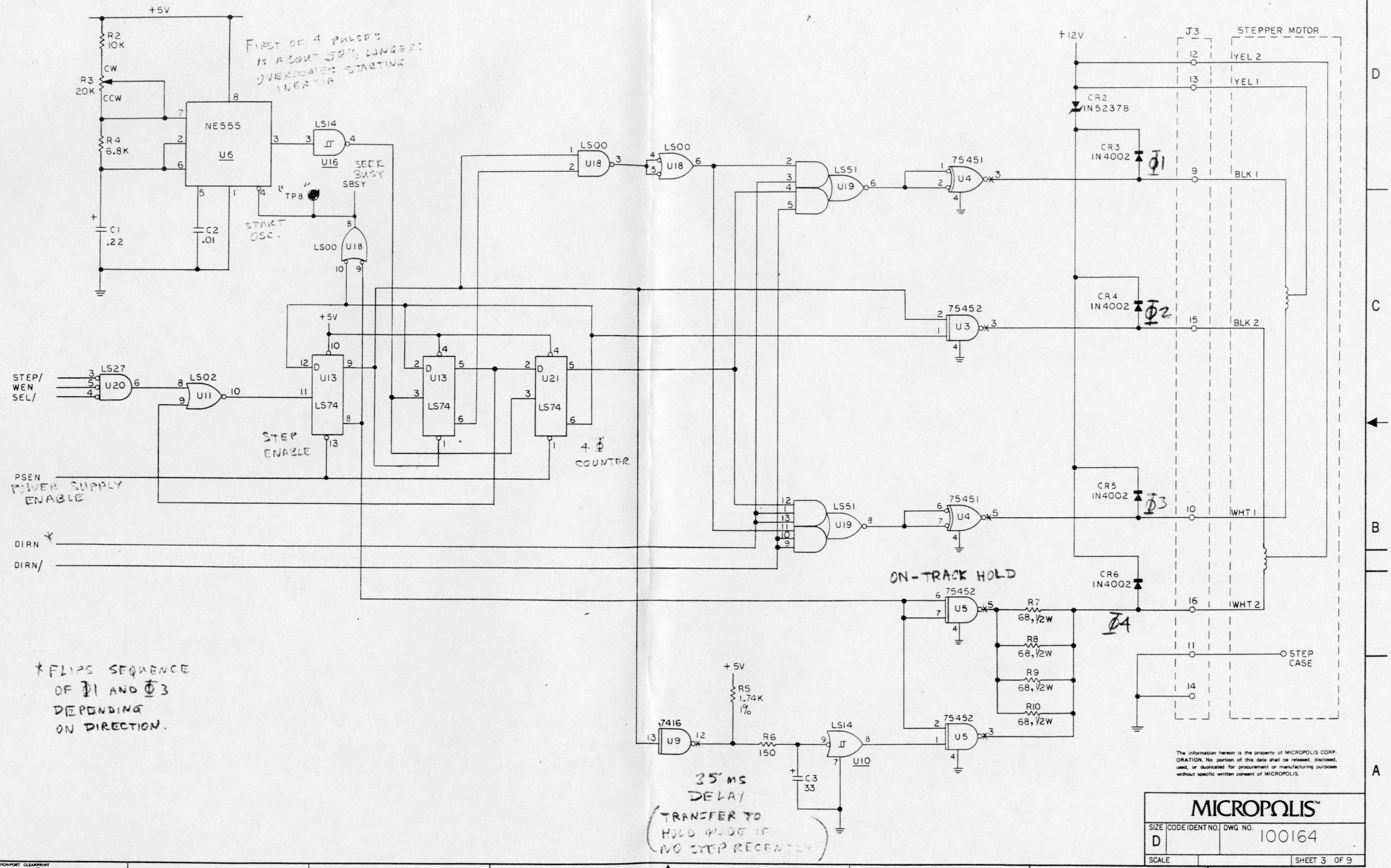
SIZE D
CODE IDENT NO.
DWG NO. 100164
SCALE
SHEET 2 OF 9



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SIZE	CODE IDENT NO.	DWG NO.
D		100164
SCALE		SHEET 3 OF 9

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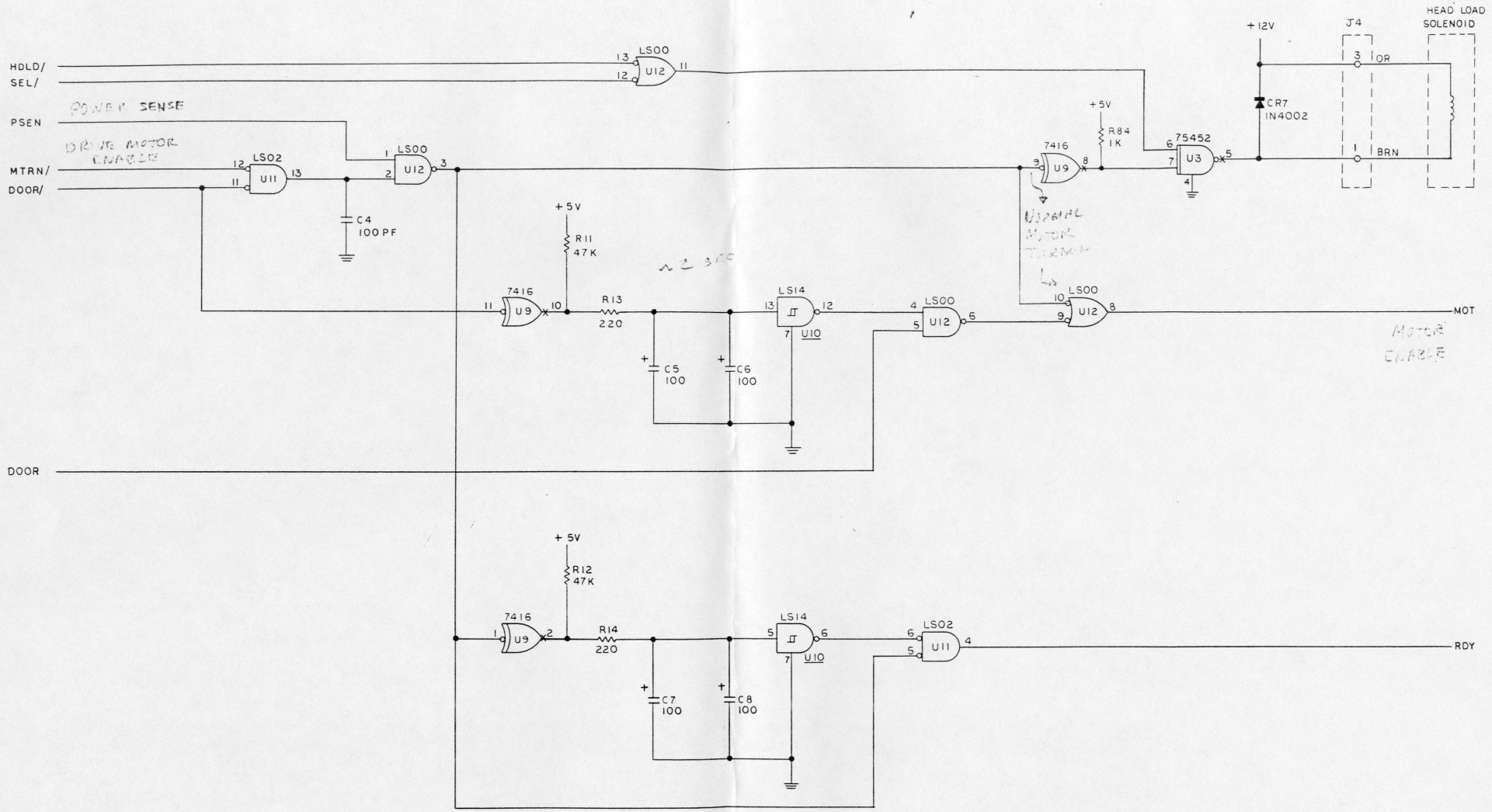

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SIZE	CODE IDENT NO.	DWG NO.
D		100164
SCALE		SHEET 4 OF 9

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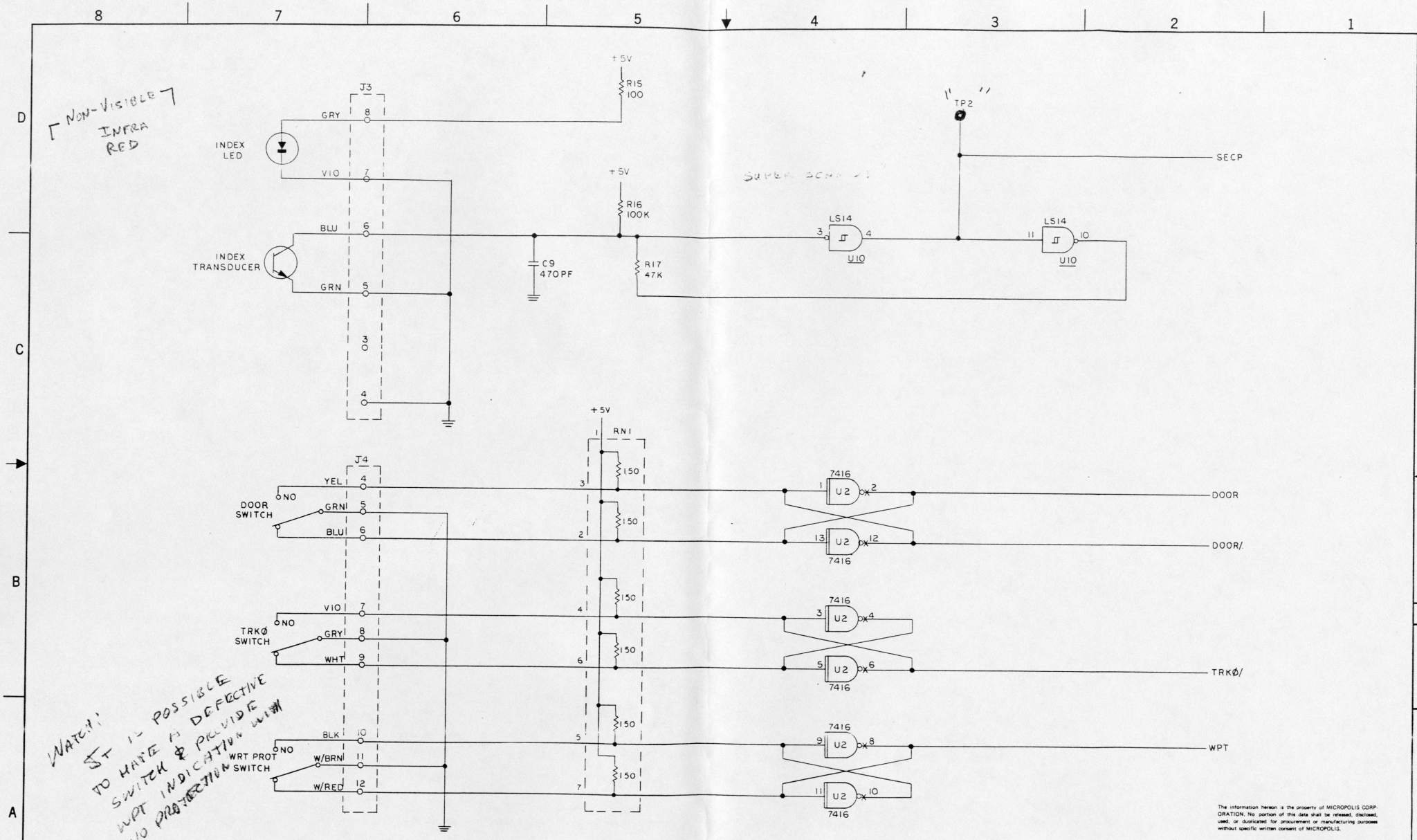

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SIZE	CODE IDENT NO.	DWG NO.
D		100164
SCALE		SHEET 5 OF 9

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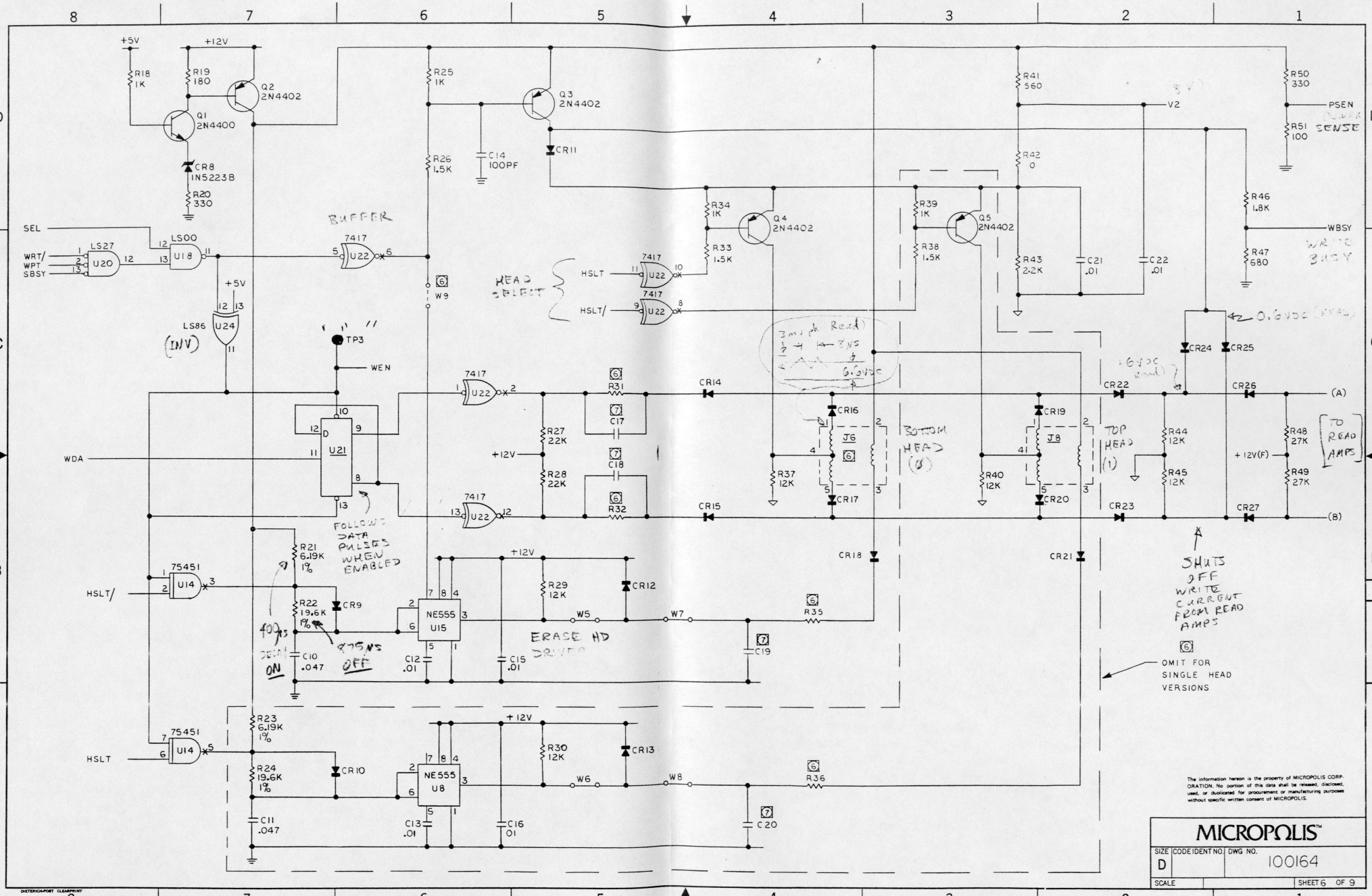

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SIZE	CODE IDENT NO.	DWG NO.
D		100164
SCALE		SHEET 6 OF 9

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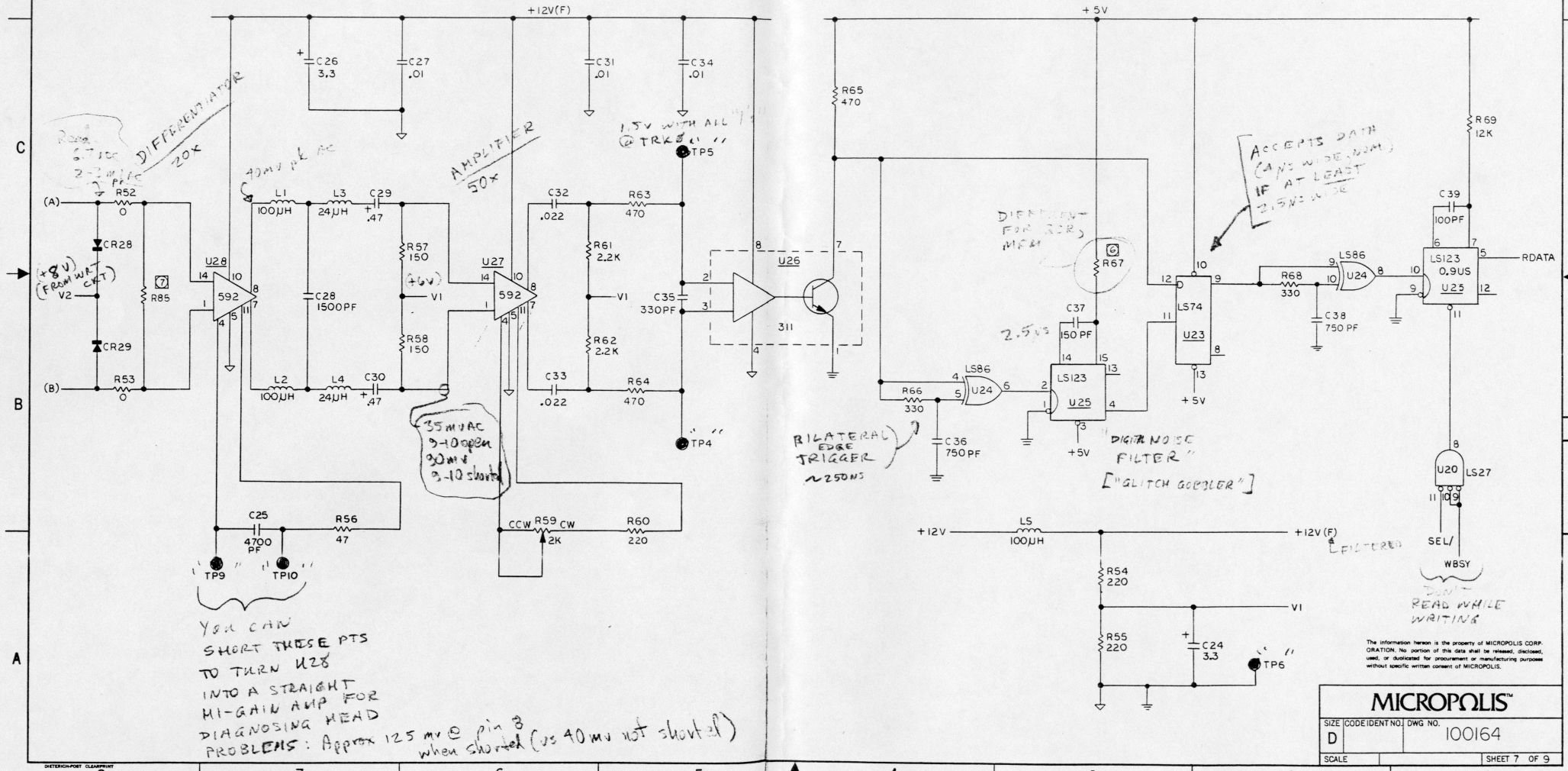

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SIZE	CODE IDENT NO.	DWG NO.
D		100164
SCALE		SHEET 7 OF 9

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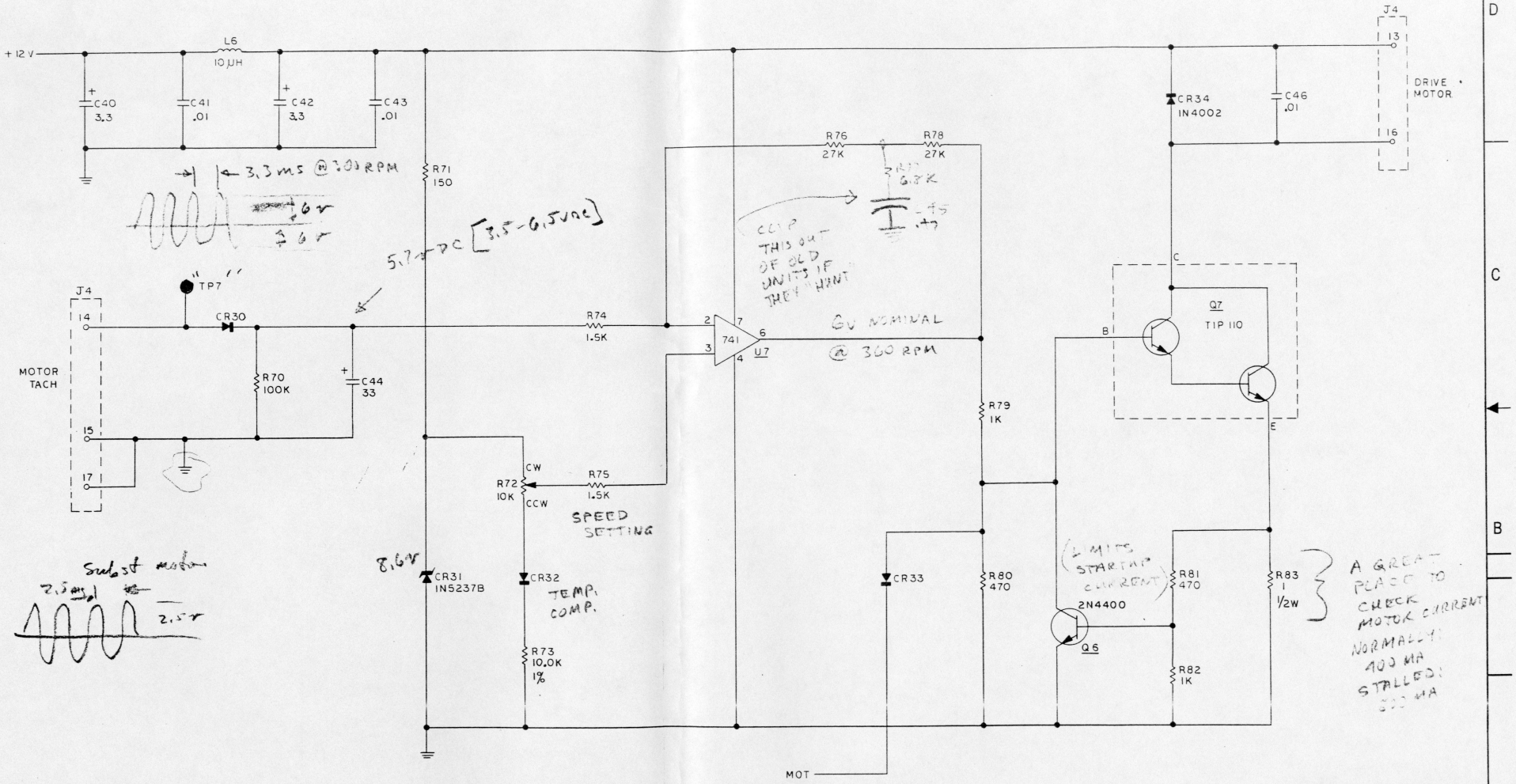

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SIZE	CODE IDENT NO.	DWG NO.
D		100164
SCALE		SHEET 8 OF 9

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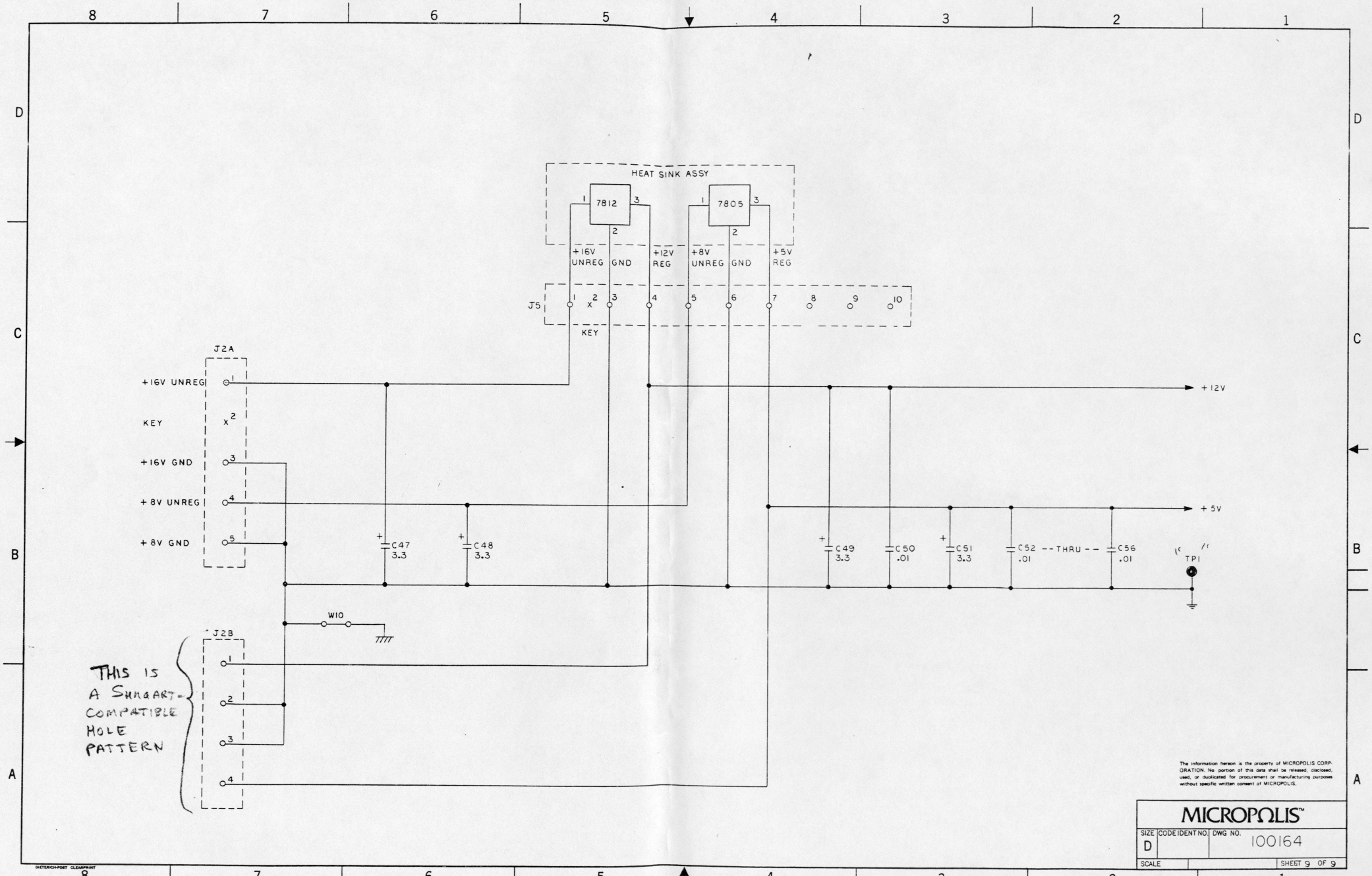

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SCALE		SHEET 9 OF 9

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